

**Form PTO-1449 (Substitute) U.S. Department of Commerce
Patent and Trademark Office**

Application Number	10/646,070
Filing Date	August 22, 2003
First Named Inventor	Michael Wayne Graham
Art Unit	1635
Examiner Name	Whiteman, Brian A.
Attorney Docket No.	0687/74768-BA-PCT-US/JPW/GJG/JRM

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	1	5,198,346	03-30-1993	Robert C. Ladner et al.

FOREIGN PATENT DOCUMENTS

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Applicants : Michael Wayne Graham
and Robert Norman Rice
Serial No. : 10/646,070
Filed : August 22, 2003

Exhibit I

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	2	Agrawal, S. (1996) "Antisense oligonucleotides: towards clinical trials," Trends Biotechnol. 14(10):376-87	
	3	Akgün, E., et al. (1997) "Palindrome resolution and recombination in the mammalian germ line," Mol. Cell. Biol. 17(9):5559-70	
	4	Akhtar, S., and Rossi, J.J. (1996) "Anti-HIV therapy with antisense oligonucleotides and ribozymes: realistic approaches or expensive myths?" J. Antimicrob. Chemother. 38(2):159-65	
	5	"Table of animal viruses inactivated by RNAi, footnotes for individual viruses are provided" as Annex B of Statement setting out the Grounds of Appeal dated November 11, 2005, filed in EP 99 910 039.9	
	6	"References" as Annex C of Statement setting out the Grounds of Appeal dated November 11, 2005, filed in EP 99 910 039.9	
	7	"Summary of the Construction of pAM320" as Annex D of Statement setting out the Grounds of Appeal dated November 11, 2005, filed in EP 99 910 039.9	
	8	Bahner, I. et al. (1996) "Transduction of human CD34+ hematopoietic progenitor cells by a retroviral vector expressing an RRE decoy inhibits human immunodeficiency virus type 1 replication in myelomonocytic cells produced in long-term culture," J. Virol. 70(7):4352-60	
	9	Barbeau, B., et al. (1996) "Characterization of the human and mouse Fli-1 promoter regions," Biochim. Biophys. Acta 1307(2):220-32	

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	10	Baum, E.Z., and Ernst, V.G. (1983) "Inhibition of protein synthesis in reticulocyte lysates by a double-stranded RNA component in HeLa mRNA," Biochem. Biophys. Res. Commun. 114(1):41-9	
	11	Bigler, J., and Eisenman, R.N. (1995) "Novel location and function of a thyroid hormone response element," EMBO J. 14(22):5710-23	
	12	Bisat, F., et al. (1988) "Differential and cell type specific expression of murine alpha-interferon genes is regulated on the transcriptional level," Nucl. Acids Res. 16(13):6067-83	
	13	Branch, A.D. (1998) "A good antisense molecule is hard to find," Trends Biochem. Sci. 23(2):45-50	
	14	Brown, D.T., and Sittman, D.B. (1993) "Identification through overexpression and tagging of the variant type of the mouse H1e and H1c genes," J. Biol. Chem. 268(1):713-8	
	15	Brummelkamp, R. et al. (2002) "A System for Stable Expression of Short Interfering RNAs in Mammalian Cells" Science Vol. 296:550-553	
	16	Buchan, K.W., et al. (1994) "Characterization of three non-peptide endothelin receptor ligands using human cloned ETA and ETB receptors," Br. J. Pharmacol. 112(4):1251-7	
	17	Chernajovsky, Y., et al. (1996) "Human kinesin light (beta) chain gene: DNA sequence and functional characterization of its promoter and first exon," DNA Cell Biol. 15(11):965-74	
	18	Christy, R.J., and Huang, R.C. (1988) "Functional analysis of the long terminal repeats of intracisternal A-particle genes: sequences within the U3 region determine both the efficiency and direction of promoter activity," Mol. Cell. Biol. 8(3):1093-102	

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	19	Clusel, C., et al. (1993) "Ex vivo regulation of specific gene expression by nanomolar concentration of double-stranded dumbbell oligonucleotides," Nucleic Acids Res. 21(15):3405-11	
	20	Clusel, C., et al. (1995) "Inhibition of HSV-1 proliferation by decoy phosphodiester oligonucleotides containing ICP4 recognition sequences," Gene Expr. 4(6):301-9	
	21	DeCoy, D.L., et al. (1995) "Anti sense DNA down-regulates proteins kinase C-epsilon and enhances vasopressin-stimulated Na ⁺ absorption in rabbit cortical collecting duct" J. Clin. Invest. 95(6):2749-56	
	22	Dobrikova, E.Y., et al. (1996) "T7 DNA-dependent RNA polymerase can transcribe RNA from tick-borne encephalitis virus (TBEV) cDNA with SP6 promoter," FEBS Lett. 382(3):327-9	
	23	Dolnick, B.J. (1997) "Naturally occurring antisense RNA," Pharmacol. Ther. 75(3):179-84	
	24	Dougherty, W.G., et al. (1997) "Transgene and Gene Suppression: telling us something new?" Current Opinion in Cell Biology, Current Biology, UK, 7:399-405	
	25	Dronkert, M.L. (2000) "Mouse RAD54 affects DNA double-strand break repair and sister chromatid exchange," Mol. Cell. Biol. 20(9):3147-56	
	26	Elroy-Stein, O., and Moss, B. (1990) "Cytoplasmic expression system based on constitutive synthesis of bacteriophage T7 RNA polymerase in mammalian cells," Proc. Natl. Acad. Sci. U.S.A. 87(17):6743-7	
	27	Escudé, C., et al. (1996) "Stable triple helices formed by oligonucleotide N3'-->P5' phosphoramidates inhibit transcription elongation," Proc. Natl. Acad. Sci. U.S.A. 93(9):4365-9	

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	28	Faruqi, T.R., and DiCorleto, P.E. (1997) "IFN-gamma inhibits double-stranded RNA-induced E-selectin expression in human endothelial cells," J. Immunol. 159(8):3989-94	
	29	Fiaschi, T., et al. (1997) "The 5'-untranslated region of the human muscle acylphosphatase mRNA has an inhibitory effect on protein expression," FEBS Lett. 417(1):130-4	
	30	Finkler, A., et al. (1992) "Immunity and resistance to the KP6 toxin of Ustilago maydis," Mol. Gen. Genet. 233(3):395-403.	
	31	Fuerst, T.R., et al. (1986) "Eukaryotic transient-expression system based on recombinant vaccinia virus that synthesizes bacteriophage T7 RNA polymerase," Proc. Natl. Acad. Sci. U.S.A. 83(21):8122-6	
	32	Gao, L., et al. (1997) "Human genes encoding U3 snRNA associate with coiled bodies in interphase cells and are clustered on chromosome 17p11.2 in a complex inverted repeat structure," Nucleic Acids Res. 25(23):4740-7	
	33	Gessani, S., et al. (1989) "Activators of protein kinase C enhance accumulation of interferon-beta mRNA in murine cell lines," J. Interferon Res. 9(5):543-50	
	34	Gimmi, E.R., et al. (1989) "Alterations in the pre-mRNA topology of the bovine growth hormone polyadenylation region decrease poly(A) site efficiency," Nucleic Acids Res. 17(17):6983-98	
	35	Giovannangeli, C., et al. (1997) "Accessibility of nuclear DNA to triplex-forming oligonucleotides: the integrated HIV-1 provirus as a target," Proc. Natl. Acad. Sci. U.S.A. 94(1):79-84	

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	36	Graham, G.J., and Maio, J.J. (1992) "A rapid and reliable method to create tandem arrays of short DNA sequences," Biotechniques 13(5):780-9	
	37	Graham, G. (1990) "RNA transcripts of the human immunodeficiency virus transactivation response element can inhibit action of the viral transactivator" Proc. Nat'l Acad. Sci. USA 87:5817-5821	
	38	Groger, R.K., et al. (1989) "Directional antisense and sense cDNA cloning using Epstein-Barr virus episomal expression vectors," Gene 81(2):285-94	
	39	Hacker, A., et al. (1995) "Expression of Sry, the mouse sex determining gene," Development 121(6):1603-14	
	40	Haines, D.S., et al. (1991) "Cellular response to double-stranded RNA," J. Cell. Biochem. 46(1):9-20	
	41	Harbinder, S., et al. (1997) "Genetically targeted cell disruption in Caenorhabditis elegans," Proc. Natl. Acad. Sci. U.S.A. 94(24):13128-33	
	42	Harcourt, B.H., et al. (1998) "Ebola virus inhibits induction of genes by double-stranded RNA in endothelial cells," Virology 252(1):179-88	
	43	Harfe, B.D., et al. (1998) "Analysis of a Caenorhabditis elegans Twist homolog identifies conserved and divergent aspects of mesodermal patterning," Genes Dev. 12(16):2623-35	
	44	Henderson, S.T., and Petes, T.D. (1993) "Instability of a plasmid-borne inverted repeat in Saccharomyces cerevisiae," Genetics 134(1):57-62	
	45	Hirashima, A., et al. (1989) "Artificial immune system against viral infection involving antisense RNA targeted to the 5'-terminal noncoding region of coliphage SP RNA," J. Biochem. 106(1):163-6	

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	46	Hirashima, A., et al. (1986) "Engineering of the mRNA-interfering complementary RNA immune system against viral infection," Proc. Natl. Acad. Sci. U.S.A. 83(20):7726-30	
	47	Imazeki, F., et al. (1988) "Integrated structures of duck hepatitis B virus DNA in hepatocellular carcinoma," J. Virol. 62(3):861-5	
	48	Kennerdell, Jason (2000) "Heritable Gene Silencing in Drosophila Using Double-Stranded RNA" Nature Biotechnology, 18:896-898	
	49	Klauff, P., et al. (1996) "RNA structure and the regulation of gene expression," Plant Mol. Biol. 32(1-2):89-106	
	50	Krystal, G.W., et al. (1990) "N-myc mRNA forms an RNA-RNA duplex with endogenous antisense transcripts," Mol. Cell. Biol. 10(8):4180-91	
	51	Lee, R.C., et al. (1993) "The C. elegans Heterochronic Gene lin-4 Encodes Small RNAs with Antisense Complementarity to lin-14" Cell 75: 843-854	
	52	Lee, S.W., et al. (1996) "The hemagglutinin genes hagB and hagC of Porphyromonas gingivalis are transcribed in vivo as shown by use of a new expression vector," Infect. Immun. 64(11):4802-10	
	53	Macé, K., and Gazzolo, L. (1991) "Interferon-regulated viral replication in chronically HIV1-infected promonocytic U937 cells" Res Virol. 42(2-3):213-20	
	54	Matthieu, J.M., et al. (1992) "Myelin-deficient mutant mice. An in vivo model for inhibition of gene expression by natural antisense RNA" Ann. N.Y. Acad. Sci. 660:188-92	

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	55	Mayne, L.V., et al. (1988) "SV 40-transformed normal and DNA-repair-deficient human fibroblasts can be transfected with high frequency but retain only limited amounts of integrated DNA" Gene 66(1):65-76	
	56	McCormack, S.J., et al. (1992) "Mechanism of interferon action: identification of a RNA binding domain within the N-terminal region of the human RNA-dependent P1/eIF-2 alpha protein kinase," Virol. 188(1):47-56	
	57	McNair, A.N., et al. (1994) "Hepatitis delta virus replication in vitro is not affected by interferon-alpha or -gamma despite intact cellular responses to interferon and dsRNA," J. Gen. Virol. 75(Pt. 6):1371-8	
	58	Mercola, D., and Cohen, J.S. (1995) "Antisense approaches to cancer gene therapy," Cancer Gene Ther. 2(1):47-59	
	59	Mette, M.F., et al. (2000) "Transcriptional silencing and promoter methylation triggered by double-stranded RNA," EMBO J. 19(19):5194-201	
	60	Mikoshiba, K., et al. (1990) "Chimeric and molecular genetic analysis of myelin-deficient (shiverer and mld) mutant mice," Ann. N.Y. Acad. Sci. 605:166-82	
	61	Morishita, R., et al. (1996) "Role of transcriptional cis-elements, angiotensinogen gene-activating elements, of angiotensinogen gene in blood pressure regulation," Hypertension 27(3 Pt. 2):502-7	
	62	Morris, K.V., et al. (2004) "Small interfering RNA-induced transcriptional gene silencing in human cells," Science 305(5688):1289-92	

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	63	Nagy, E., Rigby, W.F. (1995) "Glyceraldehyde-3-phosphate dehydrogenase selectively binds AU-rich RNA in the NAD(+)-binding region (Rossmann fold)," J. Biol. Chem. 270(6):2755-63	
	64	Noguchi, M., et al. (1994) "Characterization of an antisense Inr element in the eIF-2 alpha gene," J. Biol. Chem. 269(46):29161-7	
	65	Palmiter, R.D., et al. (1984) "Transmission distortion and mosaicism in an unusual transgenic mouse pedigree," Cell 36(4):869-77	
	66	Pe'ery, T., and Mathews, M.B. (1997) "Synthesis and purification of single-stranded RNA for use in experiments with PKR and in cell-free translation systems," Methods 11(4):371-81	
	67	Pratt, G., et al. (1988) "Regulation of in vitro translation by double-stranded RNA in mammalian cell mRNA preparations," Nucleic Acids Res. 16(8):3497-510	
	68	Raponi, M., and Arndt, G.M. (2003) "Double-stranded RNA-mediated gene silencing in fission yeast," Nucleic Acids Res. 31(15):4481-9	
	69	Ratcliff, F., et al. (1997) "A Similarity Between Viral Defense and Gene Silencing in Plants," Science 276(5318):1558-1560	
	70	Resnekov, O., et al. (1989) "RNA secondary structure is an integral part of the in vitro mechanism of attenuation in simian virus 40," J. Biol. Chem. 264(17):9953-9	
	71	Reuben, M., et al. (1994) "Cloning and expression of the rabbit gastric CCK-A receptor," Biochim. Biophys. Acta 1219(2):321-7	
	72	Robertson, G., et al. (1996) "Age-dependent silencing of globin transgenes in the mouse," Nucleic Acids Res. 24(8):1465-71	

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	73	Rocheleau, C.E., et al. (1997) "Wnt signaling and an APC-related gene specify endoderm in early C. elegans embryos," Cell 90(4):707-16	
	74	Rodriguez, D., et al. (1990) "Regulated expression of nuclear genes by T3 RNA polymerase and lac repressor, using recombinant vaccinia virus vectors," J. Virol. 64(10):4851-7	
	75	Roy, P., et al. (1990) "Effect of mRNA secondary structure on the efficiency of translational initiation by eukaryotic ribosomes," Eur. J. Biochem. 191(3):647-52	
	76	Ruskin, B., and Fink, G.R. (1993) "Mutations in POL1 increase the mitotic instability of tandem inverted repeats in Saccharomyces cerevisiae," Genetics 134(1):43-56	
	77	Sabl, J.F., and Henikoff, S. (1996) "Copy number and orientation determine the susceptibility of a gene to silencing by nearby heterochromatin in Drosophila," Genetics 142(2):447-58	
	78	Schmitt, H.P., et al. (1986) "Characterization of cloned sequences complementary to F9 cell double-stranded RNA and their expression during differentiation," Differentiation 30(3):205-10	
	79	Sharp, Phillip (1999) "RNAi and Double-Stranded RNA" Genes and Development 13(2):139-141	
	80	Silverman, T.A., et al. (1992) "Role of sequences within the first intron in the regulation of expression of eukaryotic initiation factor 2 alpha," J. Biol. Chem. 267(14):9738-42	
	81	Simons, R.W. (1988) "Naturally occurring antisense RNA control-a brief review," Gene 2(1-2):35-44	
	82	Smolinski, P.A. (1995) "Double-stranded RNA induces sickle erythrocyte adherence to endothelium: a potential role for viral infection in vaso-occlusive pain episodes in sickle cell anemia," Blood 85(10):2945-50	

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	83	Smythe, J.A., and Symonds, G. (1995) "Gene therapeutic agents: the use of ribozymes, antisense, and RNA decoys for HIV-1 infection," Inflamm. Res. 44(1):11-5	
	84	Sonoda, K., et al. (1996) "Asymmetric deletion of the junction between the short unique region and the inverted repeat does not affect viral growth in culture and vaccine-induced immunity against Marek's disease," Vaccine 14(4):277-84	
	85	Sullenger et al. (1990) "Overexpression of TAR sequences rendered cells resistant to human immunodeficiency virus replication" Cell 63:601-608	
	86	Sun, L.Q., et al. (1994) "Ribozyme-mediated suppression of Moloney murine leukemia virus and human immunodeficiency virus type I replication in permissive cell lines," Proc. Natl. Acad. Sci. U.S.A. 91(21):9715-9	
	87	Sweetser, D.A., et al. (1988) "Transgenic mice containing intestinal fatty acid-binding protein-human growth hormone fusion genes exhibit correct regional and cell-specific expression of the reporter gene in their small intestine," Proc. Natl. Acad. Sci. U.S.A. 85(24):9611-5	
	88	Symington, L.S. (2002) "Role of RAD52 epistasis group genes in homologous recombination and double-strand break repair," Microbiol. Mol. Biol. Rev. 66(4):630-70	
	89	"Table describing sequences used to inhibit viral replication" as Annex A of Statement setting out the Grounds of Appeal dated November 11, 2005, filed in EP 99 910 039.9	
	90	Tanaka, H., et al. (1994) "Sequence-specific interaction of alpha-beta-anomeric double-stranded DNA with the p50 subunit of NF kappa B: application to the decoy approach," Nucleic Acids Res. 22(15):3069-74	

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Form PTO-1449 (Substitute) U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Application Number	10/646,070
	Filing Date	August 22, 2003
	First Named Inventor	Michael Wayne Graham
	Art Unit	1635
	Examiner Name	Whiteman, Brian A.
	Attorney Docket No.	0687/74768-BA-PCT-US/JPW/GJG/JRM

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	91	Tavernarakis, N. et al. (2000) "Heritable and inducible genetic interference by double-stranded RNA encoded by transgenes" Nature Genetics 24:180-183	
	92	Timmons, L. (1998) "Specific Interference by Ingested dsRNA" Nature, Vol. 395:854	
	93	Tosic, M., et al. (1990) "Post-transcriptional events are responsible for low expression of myelin basic protein in myelin deficient mice: role of natural antisense RNA," EMBO J. 9(2):401-6	
	94	Usdin, T.B., et al. (1993) "SP6 RNA polymerase containing vaccinia virus for rapid expression of cloned genes in tissue culture," Biotechniques 14(2):222-4	
	95	Van Steeg, H., et al. (1991) "The translation in vitro of rat ornithine decarboxylase mRNA is blocked by its 5' untranslated region in a polyamine-independent way," Biochem J. 274 (Pt. 2):521-6	
	96	Volloch, V.Z., et al. (1994) "Evolutionarily conserved elements in the 5' untranslated region of beta globin mRNA mediate site-specific priming of a unique hairpin structure during cDNA synthesis," Nucleic Acids Res. 22(24):5302-9	
	97	Wang, Z.Q., et al. (1994) "An unusual nucleoporin-related messenger ribonucleic acid is present in the germ cells of rat testis," Biol. Reprod. 51(5):1022-30	
	98	Waterhouse, P.M., et al. (1998) "Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA," Proc. Natl. Acad. Sci. U.S.A. 95(23):13959-64	

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	99	Williams, T., and Fried, M. (1986) "A mouse locus at which transcription from both DNA strands produces mRNAs complementary at their 3' ends," Nature 322(6076):275-9	
	100	Wolffe, A.P. (1997) "Transcription control: repressed repeats express themselves," Curr Biol. 7(12):R796-8	
	101	Wu, C., et al. (1994) "Interferon-stimulated response element and NF kappa B sites cooperate to regulate double-stranded RNA-induced transcription of the IP-10 gene," J. Interferon Res. 14(6):357-63	
	102	Wu, S., and Kaufman, R.J. (1996) "Double-stranded (ds) RNA binding and not dimerization correlates with the activation of the dsRNA-dependent protein kinase (PKR)," J. Biol. Chem. 271(3):1756-63	
	103	Xiong, Y., et al. (1995) "Signaling properties of mouse and human corticotropin-releasing factor (CRF) receptors: decreased coupling efficiency of human type II CRF receptor," Endocrinology 136(5):1828-34	
	104	Yarney, T.A., et al. (1993) "Molecular cloning and expression of the ovine testicular follicle stimulating hormone receptor," Mol. Cell. Endocrinol. 93(2):219-26	
	105	Yamamoto, T., et al. (2002) "Double-stranded nef RNA interferes with human immunodeficiency virus type 1 replication," Microbio. Immunol. 46:809-817	
	106	Yu, M., et al. (1994) "Progress towards gene therapy for HIV infection," Gene Ther. 1(1):13-26	

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	107	Zakharian, R.A., et al. (1986) "[Stimulation by double-stranded RNA of the transformation of pro- and eukaryotic cells]," Dokl. Akad. Nauk. SSSR 288(5):1251-3	
	108	Jin, Z., et al. (1991) "Expression of firefly luciferase gene in Xenopus laevis oocyte," Chin. J. Biotechnol. 7(4):279-84	

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